

Title (en)

CASE FOR BATTERY, BATTERY AND ELECTRIC DEVICE

Title (de)

KASTEN FÜR BATTERIE, BATTERIE UND STROMVERBRAUCHSVORRICHTUNG

Title (fr)

BOÎTIER POUR BATTERIE, BATTERIE ET DISPOSITIF ÉLECTRIQUE

Publication

EP 4092819 B1 20240626 (EN)

Application

EP 21754879 A 20210322

Priority

CN 2021082088 W 20210322

Abstract (en)

[origin: US2022302548A1] The present application provides a box of a battery, a battery, and a power consumption device. The box includes: a first component, including a first interface; a second component, configured to connect with the first component to form a chamber, the second component including a second interface, the second interface being configured to be arranged opposite to the first interface; a first locking mechanism, configured to lock the first component and the second component, so that the first interface and the second interface are sealed and connected; the first locking mechanism is configured to be actuated when an internal pressure of a chamber exceeds a preset value, so that the first interface and the second interface break away from a sealed state to relieve the internal pressure of the chamber. The pressure relief ability of the battery can be improved, and the safety of the battery can be enhanced.

IPC 8 full level

H01M 50/317 (2021.01); **H01M 50/204** (2021.01); **H01M 50/233** (2021.01); **H01M 50/244** (2021.01); **H01M 50/262** (2021.01); **H01M 50/271** (2021.01); **H01M 50/30** (2021.01); **H01M 50/333** (2021.01)

CPC (source: EP US)

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